

Engineering and Operations Work Group Resource Action Matrix

Note: Inclusion of Resource Actions in this document at this time does not denote support by any member of the Engineering and Operations Work Group

E&O Resource Number (Resource Classification Category)	DWR Resource Tracking Number	Stakeholder Resource Number	Description of Potential Resource Action	Temperature Related	Flow/Water Level Related	Construction/Heavy Equipment	OFD O&M	Permitting	Cross-Resource/Area Effect	Nexus to the Project Operations	Need Additional Info	Comments and Additional Information	Technical Contacts/ Resource Team	Date for Report
Thermalito Afterbay														
EO1 (3)		BC PME #3	Thermalito Afterbay Water Temperature Improvements: Construct facilities to convey cold water directly to TAB Outlet facility	X		X	X	X	X		X	Initial analyses of historical afterbay water temperature data show a difference of 2 to 4 degrees between the TAB outlet and Western Canal Diversion. From that set of analyses, we believe the maximum reduction in water temperature for release to the river is 2 to 4 degrees; however, the increase in the Western Canal diversion water temperature is probably somewhat less than that amount.		
EO2 (2)		BC PME #3	Thermalito Afterbay Water Temperature Improvements: Curtail pumpback and peaking during 4-week rice planting season	X	X				X			Compare Scenario 1 to benchmark to determine potential change in water temperature conditions in the afterbay.		
EO3 (2)		BC PME #3	Thermalito Afterbay Water Temperature Improvements: Operate Lake Oroville TCD to optimize for recreation, rice production, and fisheries needs.	X	X		X		X					
EO4 (3)		BC PME #3	Thermalito Afterbay Water Temperature Improvements: Construct canal to allow river diverters to take water from afterbay.	X		X	X	X	X		X	Depending upon the diversion point from the afterbay, the change in water temperature would be similar to the change in EO1 for Western Canal.		
Operations Coordination														
EO5 (x)		LFCA PM&E #17	Lake Oroville Oversight Committee									Similar to ORAC.		
EO6 (x)		BC PME #6	Lake Oroville Oversight Committee									Can be combined with EO5.		
Flood Operations														
EO7 (2)		BC PME #10	Develop an early warning system to convey important information during flood events.				X					Awaiting results from SP-E4.		
EO8 (2)		BC PME #10	Provide specific information on inundation, flood travel times, and flow/stage relationships at key locations along the Feather River.									Awaiting results from SP-E4. DWR/YCWA/USACE study on storm centerings may also provide flow/stage information for this action.		

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Feather River Upper Watershed														
EO9 (x)		BC PME #11	Develop a watershed protection plan to reduce intensity of wildfires and improve water quality and quantity.									This resource action has been transferred to the Land Use Workgroup; however, investigating possible watershed modeling will need to be closely coordinated with the E&O Workgroup.		

Key for "Resource Classification Category" Column (Note: "x" denotes the resource action has not yet been classified.)

- 1. These resource actions have sufficient information to determine that the action could reasonable be expected to produce beneficial results.
- 2. These resource actions are awaiting study plan or technical analyses before the EOWG can determine if they could produce beneficial results.
- 3. These resource actions have a high degree of uncertainty regarding the ability to affect the desired outcome.
- 4. Not recommended for further consideration.